

ROBUST COMMUNICATION SYSTEM FOR  
TRANSMISSIONS IN A NOISY ENVIRONMENT

Abstract of the Disclosure

A robust communication system for  
transmitting through a noisy environment includes a  
signal source for providing discrete signals, a chaotic  
5 modulator for modulating the discrete signals, and an  
incoherent discriminator or receiver for receiving the  
modulated signals. The incoherent discriminator  
includes a high-pass filter for removing the lowest  
frequency harmonics of the received signals, a  
10 rectifier for providing an absolute value of the  
received signals, a low-pass filter and a comparator  
after the low-pass filter.

SECRET